## **CLAIMS**

1. A method of operating a wind power installation, wherein the wind power installation under first operating conditions in a normal operating mode delivers a first power to a connected electrical network, which is proportional to the wind speed, comprising the step:

controlling the wind power installation in such a way that it remains on the connected electrical network when a disturbance occurs and delivers a second power to the connected electrical network, which is less than the first power, and under the first operating conditions upon cessation of the disturbance briefly delivers a third power which is significantly higher than the first power to a connected electrical network.

- 2. A method according to claim 1 wherein the third power represents a short-circuit power.
- 3. A method according to claim 1 or claim 2 wherein the wind power installation has an intermediate storage means and the increased third power is obtained by control of the intermediate storage means.
- 4. A method according to claim 3 wherein the wind power installation has a dc voltage intermediate circuit as the intermediate storage means and the increased third power is obtained by control of the dc voltage intermediate circuit.
- 5. A method according to claim 4 wherein the dc voltage intermediate circuit has a chopper and the increased third power is obtained by control of the chopper in the dc voltage intermediate circuit.
- 6. A method according to claim 3 wherein the rotation of the generator of the wind power installation is used as the intermediate storage means and the increased third power is obtained by control of the rotation.

- 7. A wind power installation for the delivery of power to a connected electrical network, in particular for carrying out the method according to one of claims 1 to 6, comprising
- a control unit for controlling the wind power installation in such a way that under first operating conditions in normal operating mode a first power is delivered to the connected electrical network, which is proportional to the wind speed, that the wind power installation remains on the connected electrical network when a disturbance occurs and delivers a second power to the connected electrical network, which is less than the first power, and under the first operating conditions upon cessation of the disturbance briefly delivers a third power which is significantly higher than the first power to a connected electrical network.
- 8. A wind power installation according to claim 7 wherein the wind power installation has an intermediate storage means and the control unit is adapted to obtain the increased third power by control of the intermediate storage means.
- 9. A wind power installation according to claim 8 comprising a dc voltage intermediate circuit as the intermediate storage means, wherein the control unit is adapted to obtain the increased third power by control of the dc voltage intermediate circuit.
- 10. A wind power installation according to claim 9 wherein the dc voltage intermediate circuit has a chopper and the increased third power is obtained by control of the chopper in the dc voltage intermediate circuit.
- 11. A wind power installation according to claim 8 wherein the rotation of the generator of the wind power installation is used as the intermediate storage means and the increased third power is obtained by control of the rotation.